

Title (en)

Pulse gear for rotor sensor.

Title (de)

Zahnradartiges Impulsrad für Drehmessaufnehmer.

Title (fr)

Roue dentée pour générer des impulsions pour capteur de rotation.

Publication

EP 0188668 A1 19860730 (EN)

Application

EP 85113347 A 19851021

Priority

JP 768885 U 19850122

Abstract (en)

Disclosed herein is a pulse gear (10) for a rotor sensor having an electromagnetic pickup (5, 6) mounted to a fixed member (4). The pulse sensor comprises a ring-like gear body mounted to a rotary member (2) so as to detect a rotational speed of the rotary member by the electromagnetic pickup, wherein the gear body is formed with a tooth surface in the vicinity of a sensing element of the electromagnetic pickup on an inner or outer periphery thereof, and a tip (12) of the tooth surface is formed with R surfaces (13) so that the tooth surface may be formed by plastic working. With this arrangement, the tooth surface to be detected may be formed by plastic working. and fluctuation in a tooth thickness may be blunted, thereby improving productivity and reducing cost. Further, it is possible to easily achieve reduction of weight, improvement in a sensing function and increase in a degree of freedom of assembling.

IPC 1-7

G01P 3/488

IPC 8 full level

F16H 55/17 (2006.01); **B60T 8/171** (2006.01); **G01P 3/488** (2006.01)

CPC (source: EP)

G01P 3/488 (2013.01)

Citation (search report)

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